

NAME

pr – print files

SYNOPSIS

/usr/bin/pr [+ *page*] [-**column**] [-**adFmrt**] [-**e** [*char*] [*gap*]] [-**h** *header*] [-**i** [*char*] [*gap*]] [-**l** *lines*] [-**n** [*char*] [*width*]] [-**o** *offset*] [-**s** [*char*]] [-**w** *width*] [-**fp**] [*file...*]

/usr/xpg4/bin/pr [+ *page*] [-**column** | -**c** *column*] [-**adFmrt**] [-**e** [*char*] [*gap*]] [-**h** *header*] [-**i** [*char*] [*gap*]] [-**l** *lines*] [-**n** [*char*] [*width*]] [-**o** *offset*] [-**s** [*char*]] [-**w** *width*] [-**fp**] [*file...*]

DESCRIPTION

The **pr** utility is a printing and pagination filter. If multiple input files are specified, each is read, formatted, and written to standard output. By default, the input is separated into 66-line pages, each with:

- a 5-line header that includes the page number, date, time and the path name of the file
- a 5-line trailer consisting of blank lines

If standard output is associated with a terminal, diagnostic messages will be deferred until the **pr** utility has completed processing.

When options specifying multi-column output are specified, output text columns will be of equal width; input lines that do not fit into a text column will be truncated. By default, text columns are separated with at least one blank character.

OPTIONS

The following options are supported. In the following option descriptions, *column*, *lines*, *offset*, *page*, and *width* are positive decimal integers; *gap* is a non-negative decimal integer. Some of the option-arguments are optional, and some of the option-arguments cannot be specified as separate arguments from the preceding option letter. In particular, the **-s** option does not allow the option letter to be separated from its argument, and the options **-e**, **-i**, and **-n** require that both arguments, if present, not be separated from the option letter.

The following options are supported for both **/usr/bin/pr** and **/usr/xpg4/bin/pr**:

+page Begins output at page number *page* of the formatted input.

-column Produces multi-column output that is arranged in *column* columns (default is **1**) and is written down each column in the order in which the text is received from the input file. This option should not be used with **-m**. The **-e** and **-i** options will be assumed for multiple text-column output. Whether or not text columns are produced with identical vertical lengths is unspecified, but a text column will never exceed the length of the page (see the **-l** option). When used with **-t**, use the minimum number of lines to write the output.

-a Modifies the effect of the **-column** option so that the columns are filled across the page in a round-robin order (for example, when *column* is 2, the first input line heads column 1, the second heads column 2, the third is the second line in column 1, and so forth).

- d** Produces output that is double-spaced; append an extra **NEWLINE** character following every **NEWLINE** character found in the input.
- e [char][gap]** Expands each input **TAB** character to the next greater column position specified by the formula $n * gap + 1$, where n is an integer >0 . If gap is **0** or is omitted, it defaults to **8**. All **TAB** characters in the input will be expanded into the appropriate number of **SPACE** characters. If any non-digit character, $char$, is specified, it will be used as the input tab character.
- f** Uses a **FORMFEED** character for new pages, instead of the default behavior that uses a sequence of **NEWLINE** characters. Pauses before beginning the first page if the standard output is associated with a terminal.
- h header** Uses the string $header$ to replace the contents of the $file$ operand in the page header.
- l lines** Overrides the 66-line default and reset the page length to $lines$. If $lines$ is not greater than the sum of both the header and trailer depths (in lines), **pr** will suppress both the header and trailer, as if the **-t** option were in effect.
- m** Merges files. Standard output will be formatted so **pr** writes one line from each file specified by $file$, side by side into text columns of equal fixed widths, in terms of the number of column positions. Implementations support merging of at least nine $files$.
- n [char][width]** Provides $width$ -digit line numbering (default for $width$ is **5**). The number will occupy the first $width$ column positions of each text column of default output or each line of **-m** output. If $char$ (any non-digit character) is given, it will be appended to the line number to separate it from whatever follows (default for $char$ is a **TAB** character).
- o offset** Each line of output will be preceded by offset $\langle space \rangle s$. If the **-o** option is not specified, the default offset is **0**. The space taken will be in addition to the output line width (see **-w** option below).
- p** Pauses before beginning each page if the standard output is directed to a terminal (**pr** will write an **ALERT** character to standard error and wait for

a carriage-return character to be read on **/dev/tty**).

- r** Writes no diagnostic reports on failure to open files.
- s [char]** Separates text columns by the single character *char* instead of by the appropriate number of **SPACE** characters (default for *char* is the **TAB** character).
- t** Writes neither the five-line identifying header nor the five-line trailer usually supplied for each page. Quits writing after the last line of each file without spacing to the end of the page.
- w width** Sets the width of the line to *width* column positions for multiple text-column output only. If the **-w** option is not specified and the **-s** option is not specified, the default width is **72**. If the **-w** option is not specified and the **-s** option is specified, the default width is **512**.

For single column output, input lines will not be truncated.

/usr/bin/pr

The following options are supported for **/usr/bin/pr** only:

- F** Folds the lines of the input file. When used in multi-column mode (with the **-a** or **-m** options), lines will be folded to fit the current column's width. Otherwise, they will be folded to fit the current line width (80 columns).
- i [char][gap]** In output, replaces **SPACE** characters with **TAB** characters wherever one or more adjacent **SPACE** characters reach column positions $gap+1$, $2*gap+1$, $3*gap+1$, and so forth. If *gap* is **0** or is omitted, default **TAB** settings at every eighth column position are assumed. If any non-digit character, *char*, is specified, it will be used as the output **TAB** character.

/usr/xpg4/bin/pr

The following options are supported for **/usr/xpg4/bin/pr** only:

- F** Uses a **FORMFEED** character for new pages, instead of the default behavior that uses a sequence of **NEWLINE** characters.

-i[*char*][*gap*] In output, replaces multiple **SPACE** characters with **TAB** characters whenever two or more adjacent **SPACE** characters reach column positions *gap+1*, *2*gap+1*, *3*gap+1*, and so forth. If *gap* is **0** or is omitted, default **TAB** settings at every eighth column position are assumed. If any non-digit character, *char*, is specified, it will be used as the output **TAB** character.

OPERANDS

The following operand is supported:

file A path name of a file to be written. If no *file* operands are specified, or if a *file* operand is **-**, the standard input will be used.

EXAMPLES

Example 1: Printing a numbered list of all files in the current directory

```
example% ls -a | pr -n -h "Files in $(pwd)."
```

Example 2: Printing files in columns

This example prints **file1** and **file2** as a double-spaced, three-column listing headed by **file list**:

```
example% pr -3d -h "file list" file1 file2
```

Example 3: Writing files with expanded column tabs

The following example writes **file1** on **file2**, expanding tabs to columns **10**, **19**, **28**, ...

```
example% pr -e9 -t <file1 >file2
```

ENVIRONMENT VARIABLES

See **environ(5)** for descriptions of the following environment variables that affect the execution of **pr**: **LANG**, **LC_ALL**, **LC_CTYPE**, **LC_MESSAGES**, **LC_TIME**, **TZ**, and **NLSPATH**.

EXIT STATUS

The following exit values are returned:

0 Successful completion.

>0 An error occurred.

ATTRIBUTES

See **attributes(5)** for descriptions of the following attributes:

/usr/bin/pr

```
tab() allbox; cw(2.750000i)| cw(2.750000i) lw(2.750000i)| lw(2.750000i). ATTRIBUTE
TYPEATTRIBUTE VALUE AvailabilitySUNWcsu CSInabled
```

/usr/xpg4/bin/pr

```
tab() allbox; cw(2.750000i)| cw(2.750000i) lw(2.750000i)| lw(2.750000i). ATTRIBUTE
TYPEATTRIBUTE VALUE AvailabilitySUNWxcu4 CSInabled Interface StabilityStandard
```

SEE ALSO

expand(1), lp(1), attributes(5), environ(5), standards(5)